INFORMATION DISCLOSURE STATEMENT				Atty. Docket No. 02007 (16792)	Serial No. 10/631,991					
		several sheets if pecessar		Applicant Xiaodong Wang						
		HOW 0 5 2003	30	Filing Date July 31, 2003	Group Unassigned					
			ਓ ਹ.s.	PATENT DOCUMENTS						
EXAMINER'S INITIAL*		DOCUMENT	DATE	NAME	CLASS	ASS SUBCLASS FILING DATE (if appropriate)				
						_				
•										
•			***************************************							
		***************************************				-				
			FOREIGN	PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION		
							YES	NO		
	1									
	2									
	3									
OTHER PR	IOR	ART (Including	Author, Ti	itle, Date, Pertine	nt Page	s, Etc.)		· · · · · · · · · · · · · · · ·		
1W				, On Limits of Wirele iple Antennas, Wirele						
		I.E. Telatar, Car Telecommun., 10(ulti-antenna Gaussiar Nov. 1999	Channe:	ls, Eur. T	rans.			
		C.N. Chuah, D.N.C. Tse, J.M. Kahn, and R.A. Valenzuela, Capacity Scaling in MIMO Wireless Systems Under Correlated Fading, IEEE Trans. Inform. Theory, 48(3):637-650, Mar. 2002								
		P.W. Wolniansky, G.J. Foschini, G.D. Golden, and R.A. Valenzuela, V-BLAST: An Architecture for Realizing Very High Data Rates Over the Rich-Scattering Wireless Channel, In Proc. 1998 Int. Symp. Sig. Sys. Elect. (ISSSE'98), Pisa, Italy, Sep. 1998								
		G.J. Foschini, Layered Space-Time Architecture for Wireless Communication in a Fading Environment When Using Multi-Blement Antennas, Bell Labs, Tech. J., 1(2):41-59, 1996								
		algorithm and in	itial labora	R.A. Valenzuela, and atory results using V 35:14-16, Jan. 1999						
EXAMINER		Mn	γ	DATE CONSIDERED 9	114/06					
* EXAMINER: through cits applicant.	Ini	itial if reference con if not in conforman	nsidered, whet ce and not con	her or not citation is in sidered. Include copy of	conformanthis form	ce with MPBP with next c	609, draw	line on to		

INFORMATION DISCLOSURE-STATEMENT				Atty. Docket No. 02007 (16792)	Serial No. 10/631,991					
INFURM (Use	several sheets is necessar	8 :/	Applicant Xiaodong Wang						
		HDA 0.5	राज हैं।	Filing Date July 31, 2003	Group Unassigned					
U.S. PATENT DOCUMENTS										
EXAMINER'S INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)			
								,		
•			,							
•								· · · · ·		
	L		FOREIGN	PATENT DOCUMENTS	<u> </u>	1	1			
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
							AES	NO		
	1	,								
	2									
	3									
OTHER PR	IOF	R ART (Including	Author, Ti	itle, Date, Pertine	nt Page	s, Etc.)	,			
Tw				Belfiore, Lattice Co (5):161-163, May 2000		ler for Sp	ace-Time	3		
1	T	B.M. Hochwald and S.T. Brink, Achieving Near-Capacity on a Multiple-Antenna Channel, Submitted to IEEE Trans. Commun., Apr. 2002								
		A.M. Chan and I. Lee, A New Reduced-Complexity Sphere Decoder For Multiple Antenna Systems, In Proc. 2002 Int. Commun. Conf. (ICC'02), New York, N.Y., Apr. 2002								
		A. Doucet, N. deFreitas, and N.J. Gordon (eds.), Sequential Monte Carlo Methods in Practice, New York: Springer-Verlag, 620pp., 2001								
		X. Wang, R. Chen, and J.S. Liu, Monte Carlo Bayesian Signal Processing for Wireless Communications, J. VLSI Sig. Proc., 30(1-3):89-105, JanFebMar. 2002								
		R. Chen, X.Wang, and J.S. Liu, Adaptive Joint Detection and Decoding in Flat- Fading Channels via Mixture Kalman Filtering, IEEE Trans. Info. Theory, 46(6):2079-2094, Sep. 2000								
BEAMINER		My		DATE CONSIDERED	1/14/06					
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.										

INFORMATION DISCLOSURE STATEMENT (Use several sheets if pecossary)				Atty. Docket No. 02007 (16792)	Serial No. 10/631,991				
				Applicant Xiaodong Wang					
		Han 0	5 700 5	Filing Date July 31, 2003	Group Unassigned				
		E.	G~1	PATENT DOCUMENTS					
EXAMINER's INITIAL*				NAME CLAS		CLASS SUBCLASS		FILING DATE (if appropriate)	
	Ш			· · · · · · · · · · · · · · · · · · ·					
					<u></u>				
					<u> </u>				
•								W	
-		-							
			FOREIGN	PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI	ATION	
		· · · · · · · · · · · · · · · · · · ·					YES	NO	
	1								
	2								
	3							 	
OTHER PR	IOI	R ART (Including	Author, T.	itle, Date, Pertine	nt Page	s, Etc.)			
1W		J.S. Liu and R. Amer. Stat. Asso		ntial Monte Carlo Me -1044, 1998	hods for	Dynamic	Systems,	J.	
I		R. Chen and J.S. Liu, Mixture Kalman filters, J. Amer. Stat. Assoc. (B), 62:493-509, 2000							
		Z. Yang and X. Wang, A Sequential Monte Carlo Blind Receiver for OFDM Systems in Frequency-Selective Fading Channels, IEEE Trans. Sig. Proc., 50(2):271-280, Feb. 2002							
		A.M. Tonello, On Turbo Equalization of Interleaved Space-Time Codes, In Proc. 2001 Fall Vehi. Tech. Conf. (VTC-fall'01), Oct. 2001							
	T			ltiuser Detection for ng Vehi. Tech. Conf.					
				n, TURBO-BLAST for W Sig. Proc., 50(10)				neory	
EXAMINER		In		DATE CONSIDERED	9/19				
				ther or not citation is in sidexed. Include copy of					

INFORMATION DISCLOSURE STATEMENT (Use several sheets it gedessare)				Atty. Docket No. 02007 (16792)		Serial No. 10/631,991			
				Applicant Xiaodong Wang					
		HOY 0.5	and S	Filing Date July 31, 2003		Group Unassigned			
U.S. PATENT DOCUMENTS									
EXAMINER'S INITIAL*		1 00000000 00000000 0000000000000000000					FILING (if appro		
•									
•									
			FOREIGN	PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION	
							YES	NO	
	1				ļ				
	2								
	3								
OTHER PR	IOI	_		tle, Date, Pertine					
1w				ative (Turbo) Soft In EE Trans. Commun., 4				nd	
1		L.R. Bahl, J. Cocke, F. Jelinek, and J. Ravív, Optimal Decoding of Linear Codes for Minimizing Symbol Error Rate, IEEE Trans. Info. Theory, 20(3):284-287, Mar. 1974							
		T.L. Marzetta, BLAST Training: Estimating Channel Characteristics for High Capacity Space-Time Wireless, In Proc. 37th Annual Allerton Conf. Commun., Compu., & Control, Sep.1999							
		Q. Sun, D.C. Cox, A. Lozano, and H.C. Huang, Training-Based Channel Estimation for Continuous Flat Fading BLAST, In Proc. 2002 Int. Conf. Commun. (ICC'02), New York, N.Y., Apr. 2002							
		A. Doucet, S.J. Godsill, and C. Andrieu, On sequential Monte Carlo sampling methods for Bayesian filtering, Stat. & Comp., 10(3):197-208, 2000							
		N.J. Gordon, D.J. Salmond, and A.F.M. Smith, Novel approach to nonlinear/non- Gaussian Bayesian state estimation, In 1993 IEE Proc., F. Radar Sonar and Navigations, 140(2), Apr. 1993							
		G. Kitagawa, Monte Carlo Filter and Smoother for Non-Gaussian Nonlinear State Space Models, J. Comput. Graph. Statist., 5(1):1-25, 1996							
EXAMINER		m		DATE CONSIDERED	1/14/66				
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to									